

OIKE

## RAW SEQUENCE LISTING

DATE: 09/21/2001

PATENT APPLICATION: US/09/942,583

TIME: 20:44:03

Input Set : A:\seqlist\_1581 0840001.txt

Output Set: N:\CRF3\09212001\I942583.raw

ENTERED

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5 <110> APPLICANT: ROBINSON, ANDREW
7   GORRINGE, ANDREW
9   HUDSON, MICHAEL
11  BRACEGIRDLE, PHILLIPA
13  KROLL, JOHN
15  CARTWRIGHT, KEITH
17  WEBB, STEVEN
19  LANGFORD, PAUL
21  REDDIN, KAREN
23  O'DWYER, CLIONA
27 <120> TITLE OF INVENTION: NEISSERIAL VACCINE COMPOSITIONS AND METHODS
31 <130> FILE REFERENCE: 1581.0840001
C--> 34 <140> CURRENT APPLICATION NUMBER: US/09/942,583
C--> 36 <141> CURRENT FILING DATE: 2001-08-31
39 <150> PRIOR APPLICATION NUMBER: PCT/GB00/00624
41 <151> PRIOR FILING DATE: 2000-02-22
45 <160> NUMBER OF SEQ ID NOS: 12
49 <170> SOFTWARE: PatentIn version 3.0
53 <210> SEQ ID NO: 1
55 <211> LENGTH: 19
57 <212> TYPE: DNA
59 <213> ORGANISM: Unknown
63 <220> FEATURE:
65 <223> OTHER INFORMATION: PCR primer
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93 <212> TYPE: DNA
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113 <213> ORGANISM: Unknown
117 <220> FEATURE:

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131 <213> ORGANISM: Unknown
135 <220> FEATURE:
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145 <211> LENGTH: 22
147 <212> TYPE: DNA
149 <213> ORGANISM: Unknown
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157 <400> SEQUENCE: 6
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161 <210> SEQ ID NO: 7
163 <211> LENGTH: 17
165 <212> TYPE: DNA
167 <213> ORGANISM: Unknown
171 <220> FEATURE:
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175 <400> SEQUENCE: 7
176 gtaaaacgac ggccagt 17
179 <210> SEQ ID NO: 8
181 <211> LENGTH: 17
183 <212> TYPE: DNA
185 <213> ORGANISM: Unknown
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213 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (1)..(5)
217 <223> OTHER INFORMATION: Bam HI restriction site
221 <220> FEATURE:
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227 <223> OTHER INFORMATION: XbaI restriction site

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235 <222> LOCATION: (8)..(15)
237 <223> OTHER INFORMATION: NotI restriction site
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247 <223> OTHER INFORMATION: SnaBI restriction site
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255 <222> LOCATION: (22)..(33)
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267 <223> OTHER INFORMATION: SmaI restriction site
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273 <221> NAME/KEY: misc_feature
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277 <223> OTHER INFORMATION: PstI restriction site
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285 <222> LOCATION: (52)..(75)
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294 atcatttcag acggct                                                    76
297 <210> SEQ ID NO: 10
299 <211> LENGTH: 76
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303 <213> ORGANISM: Unknown
307 <220> FEATURE:
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314 aaagtctgcc gagatc                                                    76
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321 <212> TYPE: DNA
323 <213> ORGANISM: Unknown
327 <220> FEATURE:
329 <223> OTHER INFORMATION: artificial sequence, alternative 5' end
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337 <211> LENGTH: 591
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341 <213> ORGANISM: Unknown
345 <220> FEATURE:

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347 &lt;223&gt; OTHER INFORMATION: ARTIFICIAL SEQUENCE COMPRISING EXPRESSION CASSETTE OF nspA

349 &lt;400&gt; SEQUENCE: 12

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350 tgaccataaa ggaacccaaaa tatgaaaaaa gcacttgcca cactgattgc cctcgctctc      60
352 ccggccgcgcg cactggcgga aggcgcatcc tttacgtcca agccgatgcc gcacacgcaa      120
354 aagcctcaag ctcttttaggt tctgccaaag gcttcagccc gcgcatctcc gcaggctacc      180
356 gcatcaacga cctccgcttc gccgtcgatt acacgcgcta caaaaactat aaagccccat      240
358 ccaccgattt caaactttac agcatcggcg cgtccgccat ttacgacttc gacacccaat      300
360 cgcccgtaa accgtatctc ggcgcgcgct tgagcctcaa ccgcgcctcc gtcgacttgg      360
362 gcggcagcga cagcttcagc caaacctcca tcggcctcgg cgtattgacg ggcgtaagct      420
364 atgccgttac ccggaatgtc gatttggatg ccggctaccg ctacaactac atcggcaaag      480
366 tcaacactgt caaaaacgtc cgttcggcg aactgtccgt cggcgtgcgc gtcaaattct      540
368 gatatgcgcc ttattctgca aaccgccgag cttcggcg ttttgttttc t                    591

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/942,583

DATE: 09/21/2001

TIME: 20:44:04

Input Set : A:\seqlist\_1581 0840001.txt

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L:34 M:270 C: Current Application Number differs, Replaced Current Application Number

L:36 M:271 C: Current Filing Date differs, Replaced Current Filing Date